

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A special reproduction data generating device, comprising:

input means of inputting an MPEG transport stream;

special reproduction data generating means of directly generating special reproduction data by selecting a transport packet including data of a predetermined kind of frame from transport packets of the MPEG transport stream, without converting the inputted MPEG transport stream to an ES (elementary stream) or PES (packetized elementary stream), the special reproduction data generating means correcting a mismatching MPEG format so as to generate the special reproduction data; and

output means of outputting the special reproduction data as an MPEG transport stream,

wherein the special reproduction generating means adds necessary data for special reproduction to the selected transport packet or, if necessary data is not added to the selected transport packet, inserts another transport packet before or after the selected transport packet, the necessary data being stored in the selected transport packet or in the additionally inserted transport packet, and

if the necessary data is stored in the selected transport packet and the another transport packet is inserted, the additionally inserted transport packet stores data which cannot be stored in the selected transport packet.

2. (Currently Amended) The special reproduction data generating device according to claim 1, wherein the special reproduction data generating means adds a Presentation Time

~~Stamp (PTS), which is used for special reproduction, to the selected transport packet, and corrects a mismatching MPEG format so as to generate the special reproduction data.~~

3. (Currently Amended) The special reproduction data generating device according to claim 2, wherein the special reproduction data generating means ~~also adds~~ a Decoding Time Stamp (DTS) to the selected transport packet.

4. (Original) The special reproduction data generating device according to claim 2 or 3, wherein said special reproduction data generating means sets a Broken_link bit for the selected transport packet.

5. (Currently Amended) The special reproduction data generating device according to any one of claims 2 or 3, wherein ~~the correction of the mismatching MPEG format means that~~ if the selected transport packet includes ~~data unnecessary or useless~~ data for special reproduction, ~~the data is defined as a~~ the unnecessary data is defined as a padding byte and ~~madeformed into~~ dummy data.

6. (Currently Amended) The special reproduction data generating device according to claim 5, wherein the unnecessary ~~or useless~~ data is at least one of data of a frame other than the predetermined kind of frame, and DIT, PCR, PSI, DSM flag, PTS, DTS, and data of an AC coefficient of a macro block that are added to the inputted MPEG transport stream.

7. (Cancelled)

8. (Currently Amended) The special reproduction data generating device according to any one of claims 2 or 3, wherein ~~the correction of the mismatching MPEG format means that~~ if the necessary ~~data necessary~~ for special reproduction is added to the selected transport packet but a value thereof is incompatible, the value is corrected.

9. (Currently Amended) The special reproduction data generating device according to claim ~~7~~1, wherein the necessary data is at least one of PCR, PSI, a DSM flag, PTS, DTS, a sequence header code, a sequence end code, a GOP header, a Broken_link bit that are provide for the special reproduction.

10. (Previously Presented) The special reproduction data generating device according to any one of claims 1 to 3, wherein the predetermined frame is an I picture.

11. (Previously Presented) The special reproduction data generating device according to any one of claims 1 to 3, wherein the predetermined frame is at least one picture selected from an I picture, a P picture, and a B picture.

12. (Previously Presented) A medium storing a program and/or data for allowing a computer to carry out all or some functions of all or some means of the special reproduction data generating device according to any one of claims 1 to 3, the medium being processible by a computer.

13. (Previously Presented) An information aggregate comprising a program and/or data for allowing a computer to carry out all or some functions of all or some means of the special reproduction data generating device according to any one of claims 1 to 3.

14. (Previously Presented) A transmitting medium for transmitting an MPEG transport stream generated in the special reproduction data generating device according to any one of claims 1 to 3.

15. (Previously Presented) A recording medium for recording an MPEG transport stream generated in the special reproduction data generating device according to any one of claims 1 to 3.

16. (Currently Amended) A method of processing an MPEG data packet for special reproduction comprising the steps of:

(a) receiving multiple MPEG data packets;

(b) selecting for the special reproduction a data packet from among the multiple data packets received in step (a); and

(c) processing the selected data packet for the special reproduction without converting the multiple MPEG data packets received in step (a) into an elementary stream (ES)

and without converting the multiple MPEG data packets received in step (a) into a packetized elementary stream (PES),

the step of processing corrects a mismatching MPEG format,

wherein the step of processing adds necessary data for special reproduction to the selected data packet or, if necessary data is not added to the selected data packet, inserts another data packet before or after the selected data packet, the necessary data being stored in the selected data packet or in the additionally inserted data packet, and

if the necessary data is stored in the selected data packet and the another data packet is inserted, the additionally inserted data packet stores data which cannot be stored in the selected data packet.